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IN THE CLAIMS*The status of the claims as presently amended is as follows:*

1. (Canceled)

1 2. (Currently Amended) A battery package according to claim 1, wherein comprising:
a group of batteries having a plurality of connected batteries forming a secondary battery;

a plurality of sensors for detecting a temperature and a voltage;a display device for displaying a condition of the secondary battery;a switch for controlling charge and discharge of the secondary battery;an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch; anda refreshing demand display device for displaying a need to initiate a refreshing charge and discharge.

wherein the operational control circuit, which is provided with a non-detecting timer, is for preventing the sensors from detecting a rapid rise of voltage of the secondary battery during a predetermined time period from beginning of the charge,

wherein the operational control circuit counts a number of times that the voltage of the secondary battery does not exceed a preset voltage within the predetermined time period, and

wherein the refreshing demand display device displays a need to initiate a refreshing charge and discharge when the counted number reaches a predetermined number.

2 3. (Currently Amended) A battery package according to claim 1, wherein comprising:
a group of batteries having a plurality of connected batteries forming a secondary battery;

a plurality of sensors for detecting a temperature and a voltage;a display device for displaying a condition of the secondary battery;a switch for controlling charge and discharge of the secondary battery;an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch; anda refreshing demand display device for displaying a need to initiate a refreshing charge and discharge.

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wherein the operational control circuit, which is provided with a non-detecting timer, is for preventing the sensors from detecting a rapid rise of voltage of the secondary battery during a predetermined time period from beginning of the charge,

wherein the operational control circuit counts a number of times that the voltage of the secondary battery does not exceed a preset voltage within the predetermined time period, and

wherein the refreshing demand display device displays a need to initiate a refreshing charge and discharge in any of events that the counted number reaches a predetermined number, and a recovery voltage of the batteries does not exceed a predetermined voltage after another predetermined time has elapsed from a moment when the secondary battery comes to a final discharge voltage.

7 ~~4. (Currently Amended)~~ The battery package according to ~~one of claim 4 and claim 5 or 17~~, wherein the refreshing demand display device displays a need to initiate the refreshing charge and discharge if the recovery voltage of the secondary battery does not exceed 1.15 volt after at least one day has elapsed from the moment when the batteries come to the final discharge voltage.

8 ~~5. (Currently Amended)~~ The battery package according to ~~one of claim 4 to claim 2, 7, or 17~~, wherein each of the batteries comprises an alkaline storage battery provided with a positive electrode mainly composed of a nickel oxide, a negative electrode, a separator, and an alkaline electrolyte.

9 ~~6. (Original)~~ The battery package according to claim 5, wherein the negative electrode comprises a hydrogen storage alloy.

10 ~~7. (Currently Amended)~~ The battery package according to ~~one of claim 4 to claim 2, 7, or 17~~, wherein the temperature sensor for detecting temperature detects a temperature of the secondary battery, and the operational control circuit computes a rate of temperature change according to the detected temperature, and generates and delivers a signal for terminating the charge to the switch for controlling the charge and discharge of the secondary battery, when the rate of temperature change exceeds a preset range.

8. (Canceled)

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9. (Currently Amended) A method of charging and discharging a battery in a battery package, according to claim 8, the method the battery package comprising:

a group of batteries having a plurality of connected batteries forming a secondary battery;

a plurality of sensors for detecting a temperature and a voltage;

a display device for displaying a condition of the secondary battery;

a switch for controlling charge and discharge of the secondary battery; and

an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch,

wherein the method comprises the steps of:

preventing the sensors from detecting a rapid rise in voltage of the secondary battery with a non-detecting timer provided in the operational control circuit;

counting a number of times in which the voltage of the secondary battery does not exceed a preset voltage within a predetermined time period with the operational control circuit; and

carrying out a refreshing charge and discharge when the counted number reaches a predetermined number.

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10. (Currently Amended) A method of charging and discharging a battery in a battery package, according to claim 8, the method the battery package comprising:

a group of batteries having a plurality of connected batteries forming a secondary battery;

a plurality of sensors for detecting a temperature and a voltage;

a display device for displaying a condition of the secondary battery;

a switch for controlling charge and discharge of the secondary battery; and

an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch,

wherein the method comprises the steps of:

preventing the sensors from detecting a rapid rise in voltage of the secondary battery with a non-detecting timer provided in the operational control circuit;

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counting a number of times in which the voltage of the secondary battery does not exceed a preset voltage within a predetermined time period ~~by means of~~ with the operational control circuit; and

carrying out a refreshing charge and discharge in any of events that the counted number reaches a predetermined number, and a recovery voltage of the secondary battery does not exceed a predetermined voltage after another predetermined time has elapsed from a moment when the second battery comes to a final discharge voltage.

11. (*Currently Amended*) ^{3 4 C} ~~The method of charging and discharging a battery according to one of claim 8 and claim 10 or 12, comprising carrying out the refreshing charge and discharge if the recovery voltage of the secondary battery does not exceed 1.15 volt after at least one day has elapsed from a moment when the secondary battery comes to the final discharge voltage.~~

12. (*Currently Amended*) ^{3 4 C} ~~The method of charging and discharging a battery according to one of claim 8 to claim 9, 10, or 12, further comprising charging the battery up to 90 to 120% of an initial capacity with a current of 5.0-It or less, and further charging up to 150 to 200% with a current of 2.0-It or less for a given duration controlled by the timer function provided in the operational control circuit during the refreshing charge and discharge, where "It" denotes a rated battery capacity.~~

13. (*Currently Amended*) ^{3 4 C} ~~The method of charging and discharging a battery according to one of claim 8 to claim 9, 10, or 12, further comprising detecting a temperature of the secondary battery with the sensor, computing a rate of temperature change according to the detected temperature with the operational control circuit, and delivering a signal for termination of the charge to the switch for controlling the charge and discharge of the secondary battery when the rate of temperature change exceeds a preset range.~~

14. (*Original*) The method of charging and discharging a battery according to claim 13, wherein the rate of temperature change is preset to a range of 0.5 and 4.0 °C/min.

15. (*Currently Amended*) The method of charging and discharging a battery according to claim ~~[[14]]~~ 13, wherein the rate of temperature change is preset to a range of 1.0 and 3.0 °C/min.

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3 4 C
 16. (Currently Amended) The method of charging and discharging a battery according to ~~one of~~ claim 8 to claim ~~9, 10, or 12~~, comprising carrying out charge and discharge by any of a constant-current charging and discharging method, a constant-voltage charging and discharging method, and a combination of the constant-current charging and discharging method and the constant-voltage charging and discharging method.

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 17. (Currently Amended) The A battery package according to claim 1, wherein comprising:
a group of batteries having a plurality of connected batteries forming a secondary battery;
a plurality of sensors for detecting a temperature and a voltage;
a display device for displaying a condition of the secondary battery;
a switch for controlling charge and discharge of the secondary battery;
an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch; and
a refreshing demand display device for displaying a need to initiate a refreshing charge and discharge,

wherein the refreshing demand display device displays a need to initiate a refreshing charge and discharge if a recovery voltage of the secondary battery does not exceed a predetermined voltage after a lapse of a predetermined time from a moment when the secondary battery comes to a final discharge voltage.

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 18. (Currently Amended) The A method of charging and discharging a battery in a battery package, according to claim 8, the method the battery package comprising:
a group of batteries having a plurality of connected batteries forming a secondary battery;
a plurality of sensors for detecting a temperature and a voltage;
a display device for displaying a condition of the secondary battery;
a switch for controlling charge and discharge of the secondary battery; and
an operational control circuit for generating a signal based on signals input from the plurality of sensors to make the display device display the condition of the secondary battery and to activate the switch,

wherein the method ~~carries~~ comprises carrying out a refreshing charge and discharge if a recovery voltage of the secondary battery does not exceed a predetermined voltage after a

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predetermined time has elapsed from a moment when the secondary battery comes to a final discharge voltage.